

Third Quarterly Report

Report Date: February 6, 2009

Contract Number: DTPH56-08-T-000003

Project Title: Development of Tools to Estimate Actual Corrosion Growth Rates
(Internal and External) of Gas Pipelines

Prepared for: U.S.DOT Pipeline Hazardous Materials Safety Administration

Prepared by: Southwest Research Institute®
6220 Culebra Road
San Antonio, TX, 78238

Contact Information: Frank Song
210-522-3988 (Phone)
210-522-6965 (fax)
fengmei.song@swri.org

For Quarterly Period Ending: January 30, 2009

Activities/Deliverables Completed during this Reporting Period

		SCH Date	CMPL Date
Task #1:	Literature review and model development (wet gas)	7/1/2009	on-going
Task #2:	Literature review and model development (dry gas)	7/1/2009	on-going
Task #4:	3rd Quarterly Status Report	1/30/2009	2/6/2009

1.0 PROGRESS IN THIS QUARTER

1.1 Technical Status

1.1.1 Model Development – Tasks #1 and #2

We have reviewed some references relating to internal corrosion for dry gas pipelines.

Field data for validation of the external corrosion model to be developed in Task #3 were received.

1.2 Business Status

The detail expenditure for this quarter is shown below:

Budgeted from DOT		Spent	Cost share planned	Spent
Task #1	\$ 19,000	\$ 0	35,000	0
Task #2	\$ 19,000	\$ 1,500	30,000	0
Task #4	\$ 2,500	\$ 1,500		

1.3 Payable Milestone

Tasks #1-2 are still in progress.

1.4 Public Page

The modeling framework is understood and much is in place. Progress needs to be made to complete the model development and make computations.

2.0 Results and Conclusions

Field data for validating external corrosion model to be developed in Task 3 was received. Overall, the progress in this quarter is limited. Several final reports were due and those had to be completed. With completion of those projects, time will be allocated to this project.

3.0 Issues, Problems, or Challenges

We have been searching for a pipeline modeling candidate. We made an offer but that was not dismissed. We are planning to interview another candidate on Feb. 20th. It seemed that finding a qualified candidate in the area of pipeline modeling is challenging.

4.0 Plans for Future Activity

We will continue the model development.